



#6

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Frayne, Elizabeth Gay

(ii) TITLE OF INVENTION: Microbial Production of Nuclease Resistant DNA, RNA, and Oligo Mixtures

(iii) NUMBER OF SEQUENCES: 2

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Frayne, Elizabeth Gay

(B) STREET: 2027 Galvin Ln. #1

(C) CITY: Diamond Bar

(D) STATE: California

(E) COUNTRY: USA

(F) ZIP: 91765

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette, 3.50 inch 1.4 MB

(B) COMPUTER: IBM

(C) OPERATING SYSTEM: Windows XP

(D) SOFTWARE: Microsoft Word

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 10/007,489

(B) FILING DATE: 05-DEC-2001

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 60/100,231

(B) FILING DATE: 14-SEP-1998

(A) APPLICATION NUMBER: US 60/152,371

(B) FILING DATE: 07-SEP-1999

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (909)861-2111/860-7415

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 22 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: genomic DNA

(iii) HYPOTHETICAL: no

(iv) ANTI-SENSE: no

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: *Saccharomyces cerevisiae*
- (B) STRAIN: YFLO39C genomic clone

(x) PUBLICATION INFORMATION:

(A) AUTHORS: Murakami Y., Naitou M., Hagiwara H., Shibata T., Ozawa M., Sasanuma S.I., Sasanuma M., Tsuchiya Y., Soeda E., Yokoyama K., Yamazaki M., Tashiro H., Eki T.

(B) TITLE: Analysis of the nucleotide sequence of chromosome VI from *Saccharomyces cerevisiae*.

(C) JOURNAL: Nature Genet.

(D) VOLUME: 10

(F) PAGES: 261-268

(G) DATE: 1995

(K) RELEVANT RESIDUES IN SEQ ID NO: 1: 10-31

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

GAG GTT GCT GCT TTG GTT ATT G 22

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 22 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: genomic DNA

(iii) HYPOTHETICAL: no

(iv) ANTI-SENSE: yes

(vi) ORIGINAL SOURCE:

(A) ORGANISM: *Saccharomyces cerevisiae*

(B) STRAIN: YFLO39C genomic clone

(x) PUBLICATION INFORMATION:

(A) AUTHORS: Murakami Y., Naitou M., Hagiwara H., Shibata T., Ozawa M.,
Sasanuma S.I., Sasanuma M., Tsuchiya Y., Soeda E., Yokoyama K., Yamazaki M.,
Tashiro H., Eki T.

(B) TITLE: Analysis of the nucleotide sequence of chromosome VI from
Saccharomyces cerevisiae.

(C) JOURNAL: Nature Genet.

(D) VOLUME: 10

(F) PAGES: 261-268

(G) DATE: 1995

(K) RELEVANT RESIDUES IN SEQ ID NO: 2: 1097-1118

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

TT GTG GTG AAC GAT AGA TGG AC

22